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#### NOTICE OF ALLOWANCE AND FEE(S) DUE

513 7590 10/03/2008 WENDEROTH, LIND & PONACK, L.L.P. 2033 K STREET N. W. SUITTE 800

WASHINGTON DC 20006-1021

EXAMINER				
NGUYEN, TU X				
ART UNIT	PAPER NUMBER			
2618	•			
DATE MAILED: 10/03/2008				

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/530,976	04/12/2005	Kuniaki Utsumi	2005-0631A	9201		
TITLE OF INVENTION: RADIO COMMUNICATION SYSTEM						

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/05/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This f appropriate. All further c indicated unless correcter maintenance fee notificati	form should be used for orrespondence includir d below or directed oth ons.	or trang the	nsmitting the ISSU Patent, advance on in Block 1, by (a					hould be completed where correspondence address as arate "FEE ADDRESS" for
CURRENT CORRESPONDED	NCE ADDRESS (Note: Use Bi	ock 1 for	any change of address)	pa	pers. Each additions	il pape	g can only be used for ficate cannot be used for tr, such as an assignme illing or transmission.	or domestic mailings of the for any other accompanying ont or formal drawing, must
WENDEROTH 2033 K STREET SUITE 800			L.L.P.		Ces	tificat	e of Mailing or Trans	mission g deposited with the United st class mail in an envelope above, or being facsimile ate indicated below.
WASHINGTON,	DC 20006-1021							(Depositor's name)
								(Signature)
				L				(Date)
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EXAMI	NER		ART UNIT	CLASS-SUBCLASS				
NGUYEN	I, TU X		2618	455-007000				
"Fee Address" indic PTO/SB/47; Rev 03-02 Number is required.  3. ASSIGNEE NAME AN	ndence address (or Cha 7122) attached. cation (or "Fee Address c or more recent) attach TO RESIDENCE DATA sss an assignee is ident in 37 CFR 3.11. Comp	nge of 'Indiced. Us	Correspondence ation form e of a Customer		to 3 registered pater tively, gle firm (having as a agent) and the nam torneys or agents. If e printed. type) patent. If an assign assignment.	nt attor	per a 2pto ne is 3dentified below, the d	ocument has been filed for
		catego						oup entity Government
4a. The following fee(s) are submitted:  Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies				o. Payment of Fee(s): (Pl A check is enclosed Payment by credit c The Director is herel overpayment, to De	ard. Form PTO-2038	is att	ached.	
	SMALL ENTITY statu	s. See	37 CFR 1.27.	☐ b. Applicant is no lo	nger claiming SMA	LLEN	TITY status. Sec 37 Ci	FR 1.27(g)(2).
NOTE: The Issue Fee and interest as shown by the re	Publication Fee (if req ecords of the United Sta	ired) tes Pat	will not be accepted ent and Trademark	d from anyone other than Office.	the applicant; a reg	istered	attorney or agent; or th	ne assignee or other party in
Authorized Signature _					Date			
Typed or printed name					Registration N			
This collection of informa an application. Confidenti submitting the completed this form and/or suggestion Box 1450, Alexandria, Vi Alexandria, Virginia 2231	tion is required by 37 C ality is governed by 35 application form to the ons for reducing this bur reginia 22313-1450. DC 3-1450.	FR 1.3 U.S.C USPT den, sl NOT	11. The informatic . 122 and 37 CFR O. Time will vary hould be sent to the SEND FEES OR	on is required to obtain on 1.14. This collection is of depending upon the ind e Chief Information Officomplete COMPLETED FORMS	retain a benefit by stimated to take 12 ividual case. Any co cer, U.S. Patent and TO THIS ADDRES:	the pub minute ommen Trades S. SEN	lic which is to file (and s to complete, including ts on the amount of time mark Office, U.S. Dep D TO: Commissioner	d by the USPTO to process) ig gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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## UNITED STATES PATENT AND TRADEMARK OFFICE

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2033 K STREET N. W.			ART UNIT	PAPER NUMBER		
SUITE 800 WASHINGTON, DC 20006-1021			2618 DATE MAII ED: 10/03/200	8		

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 658 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 658 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

## Application No. Applicant(s) 10/530 976 UTSUMI ET AL. Notice of Allowability Examiner Art Unit THE NGUYEN 2618 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 6/30/08. The allowed claim(s) is/are 34,36-48,50 and 52-64. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some\* c) ☐ None of the: a) 🔯 All 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). \* Certified copies not received: \_\_\_\_\_. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. X Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. T Examiner's Statement of Reasons for Allowance of Biological Material □ Other .

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## DETAILED ACTION

## **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kevin McDermott on 9/24/08.

The application has been amended as follows:

Claims 35, 49, 51 and 65 have been canceled.

In claim 34, line 21, delete the phrase "communicable area to be within a predetermined range;" has been replaced with --- communicable area to be within a predetermined range; wherein when said wireless communication terminals use a respective channel, the predetermined range is smaller than a difference between (a) a leakage ratio which is a ratio of a level of a wireless signal using the respective channel with respect to a level of a frequency component leaking to another channel different from the respective channel, and (b) a signal to noise ratio which is a ratio of a level of a leakage signal from a wireless communication terminal using another channel different from the respective channel with respect to the level of the wireless signal using the respective channel; ---

In claim 50, line 21, delete the phrase "communicable area to be within a predetermined range;" has been replaced with --- communicable area to be within a

predetermined range; wherein when said wireless communication terminals use a respective channel, the predetermined range is smaller than a difference between (a) a leakage ratio which is a ratio of a level of a wireless signal using the respective channel with respect to a level of a frequency component leaking to another channel different from the respective channel, and (b) a signal to noise ratio which is a ratio of a level of a leakage signal from a wireless communication terminal using another channel different from the respective channel with respect to the level of the wireless signal using the respective channel: ---

## Allowable Subject Matter

Claims 34, 36-48, 50, 52-64 are allow.

The following is an examiner's statement of reasons for allowance:

Regarding claims 34 and 50, the prior art fails to teach said wireless communication terminals use a respective channel, the predetermined range is smaller than a difference between (a) a leakage ratio which is a ratio of a level of a wireless signal using the respective channel with respect to a level of a frequency component leaking to another channel different from the respective channel, and (b) a signal to noise ratio which is a ratio of a level of a leakage signal from a wireless communication terminal using another channel different from the respective channel with respect to the level of the wireless signal using the respective channel, as cited in the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the Art Unit: 2618

issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons

for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed Tu Nguyen whose telephone number is 571-272-7883.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Edward Urban, can be reached at (571) 272-7899. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status information for

unpublished applications is available through Private PAIR only. For more information about

the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to

the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

free).

/Tu X Nguyen/

Examiner, Art Unit 2618

9/24/08